

Docket No. 740123-402

IN THE UNITED STATES DESIGNATED OFFICE

In re INTERNATIONAL Application of

Thomas KRAUS et al.

International Application No. PCT/EP01/03606

International Filing Date: 29 March 2001

For: DRIVE FOR AN ADJUSTABLE MOTOR VEHICLE PART

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Preliminary to entry into the U.S. National Phase and national phase examination, please amend the above-captioned application as set forth below.

IN THE SPECIFICATION:

Please replace the specification with the substitute specification appended hereto.

IN THE ABSTRACT OF THE DISCLOSURE:

Please replace the Abstract of the Disclosure with the new Abstract of the Disclosure appended hereto.

IN THE CLAIMS:

Please amend the recitation "Claims" to read --We claim--.

Please cancel claims 1-18 in their entirety without prejudice nor disclaimer to the subject matter contained therein.

Please add new claims 19-35 as follows:

- 19. A drive for an adjustable motor vehicle part, comprising:
an electric motor;
a worm wheel driven by the electric motor;

a gearbox surrounding the worm wheel
electronic components for operation of the electric motor;
wherein at least a portion of the electronic components is located between the
worm wheel and the gearbox.

20. The drive of claim 19, wherein the electronic components are located
essentially within a contour of the worm wheel.

21. The drive of claim 19, wherein the electronic components are formed at
least in part by ASICs.

22. The drive of claim 19, wherein the electronic components are formed as
SMD components.

23. The drive of claim 19, wherein the gearbox includes a carrier, which bears
the electric motor and the worm wheel, and a box cover.

24. The drive of claim 19, wherein the electronic components are mounted
directly on the gearbox.

25. The drive of claim 23, wherein the electronic components are mounted
directly on the box cover.

26. The drive of claim 25, wherein the box cover is made of electrically
insulating material.

27. The drive of claim 26, wherein the box cover is made of plastic to which
printed conductors are applied for electrical connection of the electronic components.

28. The drive of claim 23, wherein the box cover is provided with an electrical
terminal.

29. The drive of claim 19, further including a card positioned parallel to the
worm wheel, the electronic components being mounted on said card.

30. The drive of claim 29, wherein the gearbox includes a carrier and a box cover, wherein the card lies between the box cover and the worm wheel.

31. The drive of claim 19, wherein said electric motor includes a motor shaft and a brush system, said motor shaft bearing a worm shaft which engages the worm wheel, the brush system being located in the vicinity of the worm shaft.

32. The drive of claim 31, wherein said electric motor includes a brush system integrated into the gearbox.

33. The drive of claim 32, wherein said brush system includes a brush holder support, said gearbox being provided with a receiver for the brush holder support.

34. The drive of claim 33, wherein the gearbox is provided with contact-making means for the brush holder support.

35. The drive of claim 34, wherein the contact-making means includes at least one of inserted conducting components and extrusion-coated conducting components.--

REMARKS

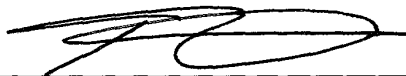
By the above actions, the specification, claims and abstract have all been replaced in order to place this application in better form for initial U.S. national examination. In this regard, it is noted that the appended substitute specification contains no new matter and a mark-up copy of the specification showing the changes made is also appended hereto as required.

Also submitted herewith is a Request for Drawing Change Approval including copies of the drawings with changes shown in red. The changes merely clarify features in the drawings which were originally discussed in the original specification. Approval of the request is respectfully requested.

Applicant now respectfully requests National Phase examination of the above-identified invention. If the Examiner has any questions or concerns regarding this application or believes that any further actions would help expedite the prosecution thereof, it is respectfully requested that the undersigned be contacted.

Respectfully submitted,

By: _____



Tim L. Brackett, Jr.
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Dated: 12 December 2001

Abstract

A drive for an adjustable motor vehicle part is provided which includes an electric motor, a worm drive which has a worm wheel surrounded by a gearbox, and electronic components for operation of the electric motor. At least the important part of the electronic components is located between the worm wheel and the gearbox.

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REQUEST FOR DRAWING CHANGE APPROVAL

Commissioner for Patents
Washington, D.C. 20231

Sir:

Attached hereto are proposed drawing changes, shown in red, to Figures 2 and 4B.
It is respectfully requested that these changes be approved prior to issuance of the subject
application.

Respectfully submitted,

By: 

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Fig. 2

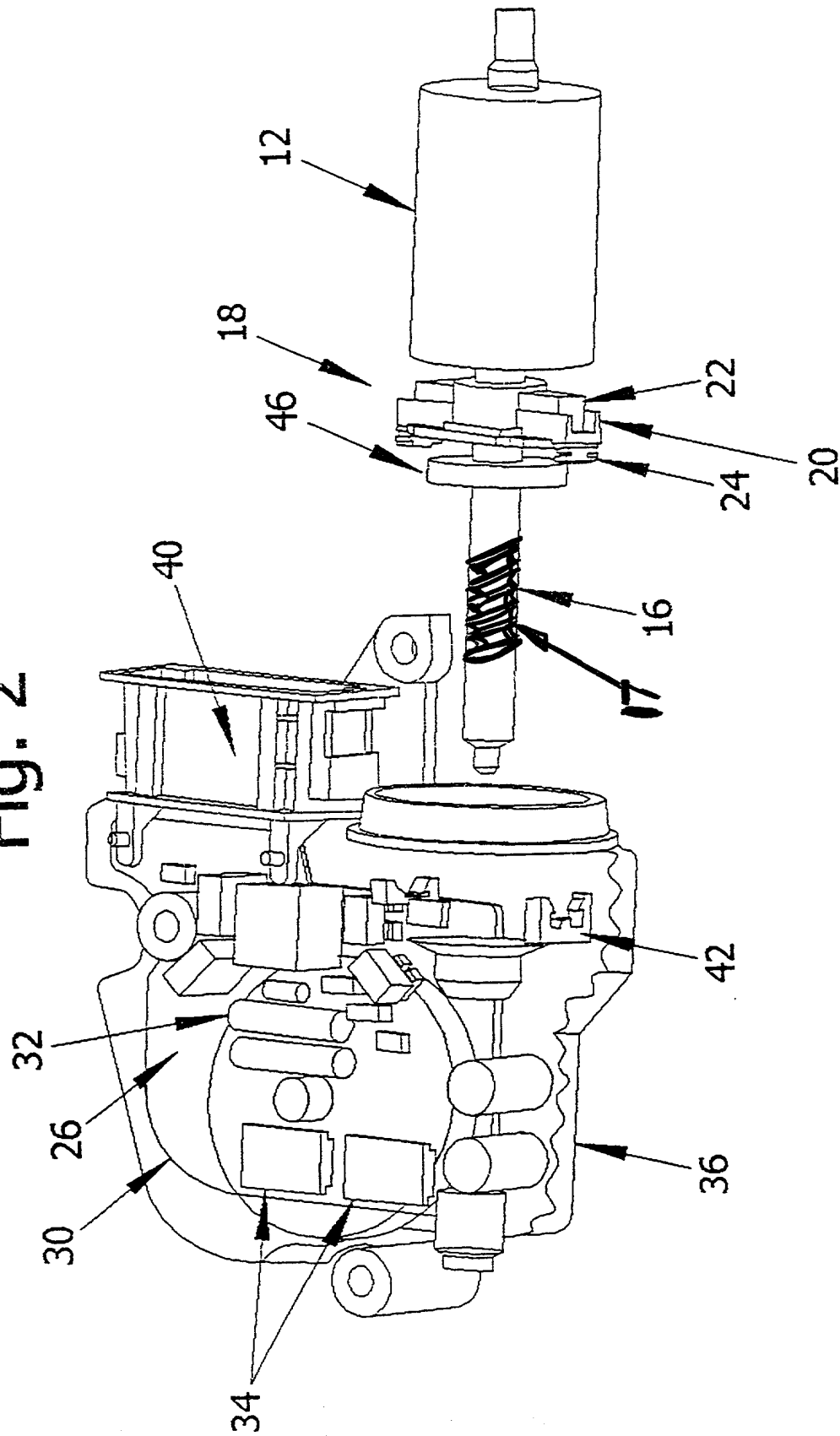


Fig. 4B

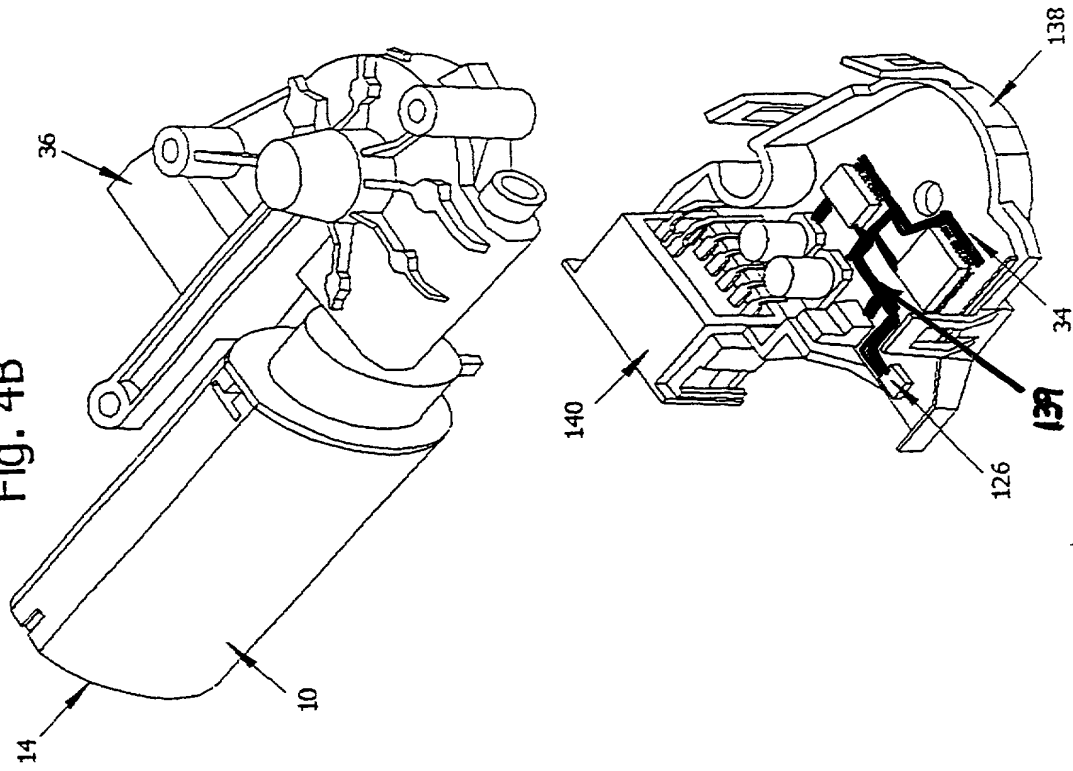


Fig. 4A

